

11-11-2010

Help, I'm Lost! Developing a Library Mapping System without Breaking the Bank

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Recommended Citation

Gallagher, Paul S., "Help, I'm Lost! Developing a Library Mapping System without Breaking the Bank" (2010). *Library Scholarly Publications*. Paper 39.
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Developing a Library Mapping System without Breaking the Bank

Paul Gallagher, Developer Librarian
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Presented at the 2010 MLA Annual Conference, Traverse City, MI



Introduction

- Development of a library mapping system for WSULS
- Ability to show locations of information for all physical resources
- Low cost development
 - Started as “impossible” graduate project

Paul Gallagher

- Developer Librarian for Wayne State University Library System
- Ten years of I.T. experience including application development, technology instruction, and system administration
- 2009 Graduate of WSU's School of Library and Information Science, as part of the "Recruiting and Educating the 21st Century Fine and Performing Arts Librarian" IMLS grant



WAYNE STATE
UNIVERSITY
LIBRARY SYSTEM

Problem

- Wayne State Library System (WSULS) has:
 - Three main facilities
 - Two special libraries (law and medical)
 - An extension center library
 - Approx 3.6 million items
 - 362 material locations as defined in the catalog
 - Undergoing collection maintenance in various areas



Problem

- 36,525 Directional Reference Questions in 2010
 - 48.54% of total reference questions
- Lots of small special use collections
 - Elephant Bibliography
 - Sci and Engg Library Advanced Computing Facility
 - Sci and Engg Library Searching Room
 - Purdy-Kresge Library Vault

MapIt!@WSULS

- Project began in August 2009, completed February 2010
- Displays shelved materials, as well as information for all location codes specified in the WSULS Millennium ILS
- Easily updatable by Access staff to support shifting collections



Topics

- Methods & Examples
 - Notably the “Hybrid Approach”
- Accessing the system
 - Catalogs
 - Reference Form
- Location Codes (and why do I care?)
- Updating the system
- Demonstration
- Results and Lessons Learned

Methods & Examples

- General design patterns for library mapping*
 - The “simple solution”
 - Pure vector based mapping
 - SVG hybrid
 - GPS (Google API)
 - **Simple vector hybrid**

*Not all inclusive



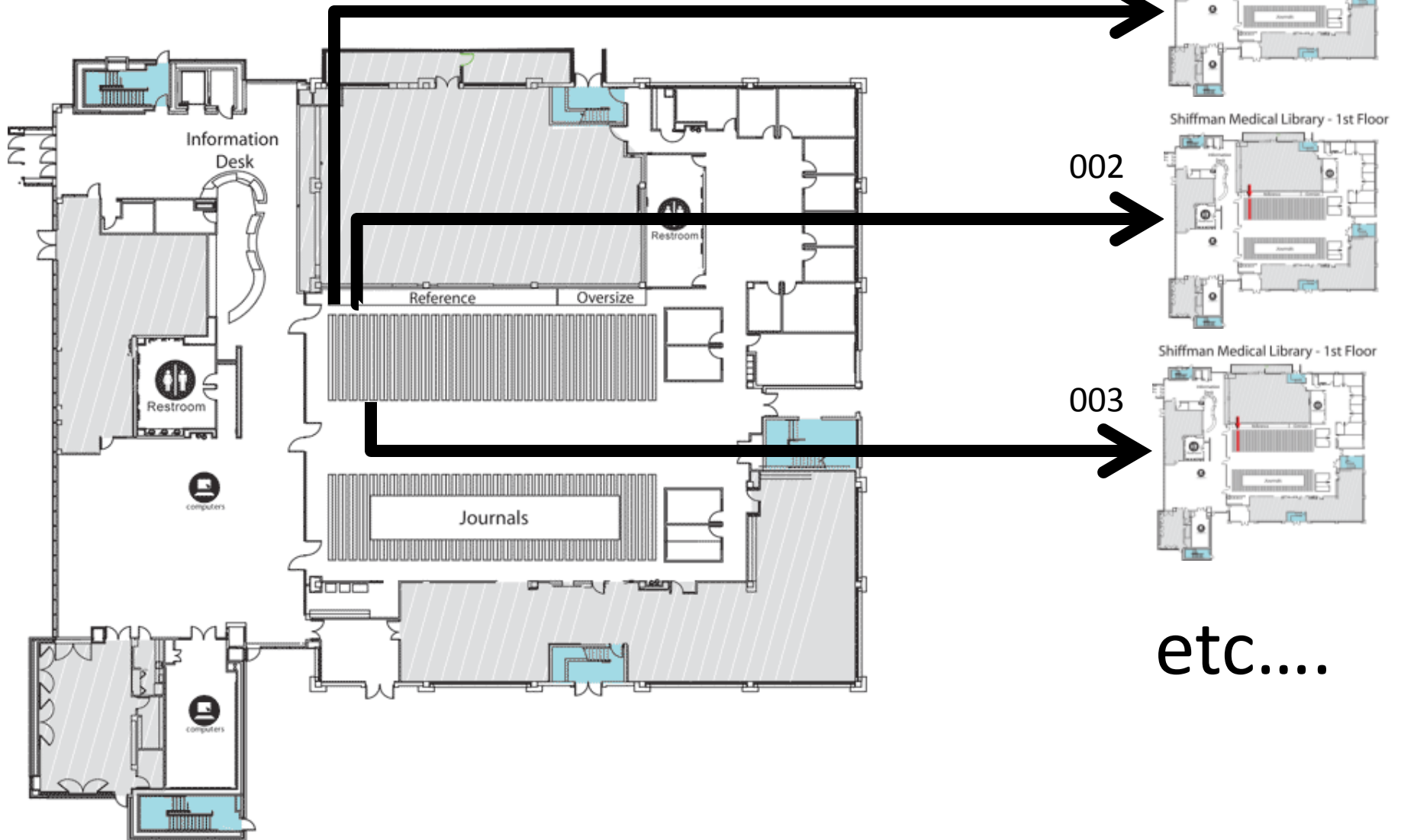
Methods & Examples

Simple Solution

- Create a map for each call number range
- Load maps onto web server / catalog
- Design method to have catalog show the correct map for each range

Methods & Examples

Simple Solution



You are searching books, journals, music, movies, and more . . .

[renewals/library](#)

Books and more

Digital Collections

Course Reserves

☒ Basic Search
 ☐ Search begins with (browse)
 ☐ Advanced Search

squad

Anywhere

Search

Start Over

Search: "squad":

We found 121 matching items, 17 of these are available online.

Limit by: Publication Year or Popular Format

Narrow Results By:

Library/Collection

- DIRAC SCIENCE LIBRARY (53)
 - STROZIER, Documents (22)
 - Electronic Resource (16)
- [show more...](#)

Format

- Book (112)
 - Govt Publication (32)
 - Online Resource (17)
- [show more...](#)

Series Title

- NOAA technical memorandum NMFS-NE (4)
 - ACS symposium series (2)
 - Developments in food science (2)
- [show more...](#)

Subject: Topic

- Squids (28)
 - Squid fisheries (17)
 - Congresses (16)
- [show more...](#)

Author

My Folder is empty

Add All

Results/page: 10

[1](#)
[2](#)
[3](#)
[4](#)
[5](#)
[6](#)
[7](#)
[8](#)
[9](#)
[10](#)
[Next](#)
[>>](#)
1. Damp **squad** : the English language laid bare

Jeremy Butterfield.

Author: Butterfield, Jeremy 1951-

Published: Oxford : New York : Oxford University Press, 2008.



book

STROZIER LIBRARY General Collection 4th Floor PE1450 .B86 2008 [Floor map](#)

add



print



email



txt



cite this



RefWorks

2. The **SQUID** handbook

J. Clarke, A.I. Braginski, eds.

Author: Clarke, J.

Published: Weinheim : Wiley-VCH, 2004-2006.



book

DIRAC SCIENCE LIBRARY General Collection 1st Floor TK7872.S8 S64 2004 [Floor map](#) [Check availability](#)

add



print



email



txt



cite this



RefWorks

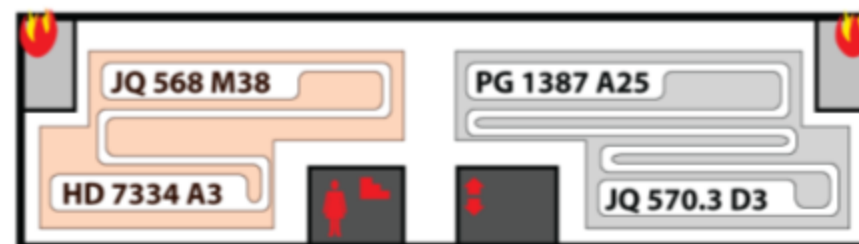
3. **Squid** as experimental animals

edited by Daniel L. Gilbert, William J. Adelman, Jr., and John M. Arnold.

Published: New York : Plenum Press, c1990.

STROZ_4_OVER_1.png (PNG Image, 800x600 pixels) - Scaled (88%) - Mozilla Firefox

http://www.lib.fsu.edu/files/maps/STROZ_4_OVER_1.png



Quiet Study Area

Fourth Floor/Strozier

Done

YSlow

WAYNE STATE
UNIVERSITY
LIBRARY SYSTEM

English

[You are not logged in](#) [Show Basket](#)[Home](#) [Advanced Search](#) [Back](#)

Catalogue Search Results

You searched: | Any field = catch 22, |
Results: 6 found in 0.261 seconds

		Add to basket		Clear all	
▼Title ▲	▼Author ▲	Publisher	Edition	▼Shelf ▲	At
<input type="checkbox"/> Catch 22/	HellerJoseph	Corgi,	1966.	PR9499.3.N3 H45 1966	NEU Library[General Available Collection]
<input type="checkbox"/> Catch-22	Mike Nichols	Filmways Productions	1970	DVD 003042	NEU Library[Audio Visual Room] Available
<input type="checkbox"/> Catch-22 : spark notes today's most popular study guides / ISBN: 1586633813	Heller, Joseph.	Spark Publishing,	2003.	PS3558.E476 C3 2003	NEU Library[General Available Collection]
<input type="checkbox"/> Catch-22 / ISBN: 0684833395 (pbk.)					
<input type="checkbox"/> Catch 22 and a way out : the Catholic church and contraception					
<input type="checkbox"/> Joseph Heller's Catch-22 / ISBN: 0671009052					

Term:

This software

Help - Mozilla Firefox

http://library.neu.edu.tr/cgi-bin/koha/opac-location.pl?location=PS3558.E476 &lib= NEU Library[General Collection]

LIBRARY SECOND FLOOR PLAN

The diagram illustrates the layout of the library's second floor. It features two main sections of bookshelves, each with a staircase. The left section is labeled 'Bookstore' in red. The right section is labeled 'STAIRS'. The plan includes a legend for various rooms and facilities: STAIRS, MECHANIC ROOM, PRIVATE STUDY ROOM WITH PC, BOOK SHELF, PHOTO COPY, STAFF ROOM, COMPUTERS, and STUDY DESK. The plan also shows the location of the 'CATCH 22' collection, with callouts for 'P', 'P/Q', 'Q', 'M', 'C', 'REF', 'SAUV', and 'Z/AV'. Arrows indicate the flow of traffic between the two main sections.

Done

YSlow

Location

Ablah Library

Title

Truth, lies, and public health : how we are affected when science and politics collide /

Author

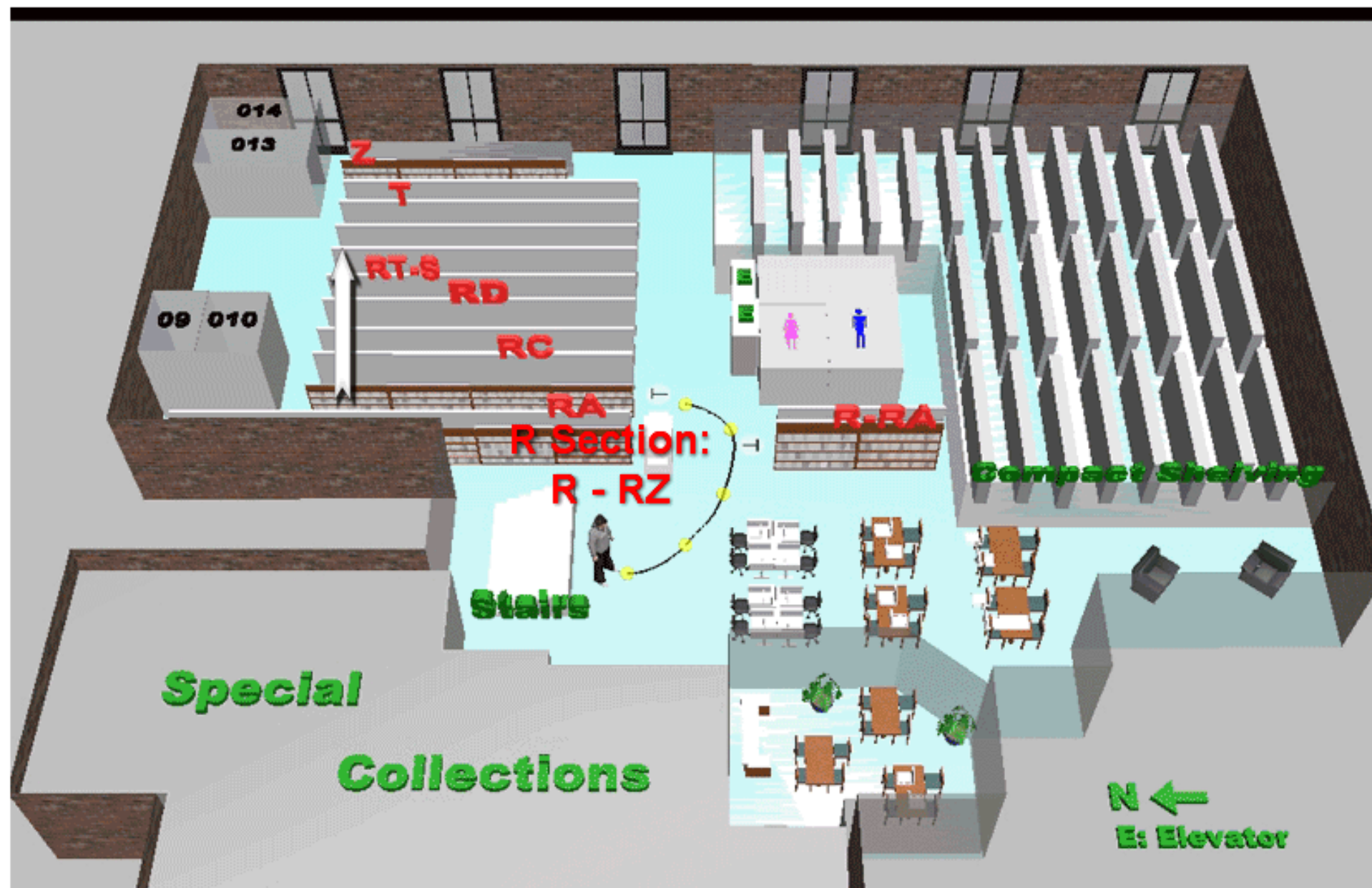
Finkel, Madelon Lubin, 1949-

Call Number

RA395.A3 F537 2007

[Table of contents only](#)

Item 1



Methods & Examples

Simple Solution

- Pros
 - Easy to develop, create maps in illustration software and place on web server/OPAC
 - Little programming required
 - Can use interactive maps
- Cons
 - Difficult to update with shifting collections
 - Must update potentially hundreds of maps!

Methods & Examples

Simple Solution

- Not suitable for WSULS
 - Number of call number ranges would be difficult to update
 - Would not be easily updatable by staff (without illustration software, training, etc...)

Methods & Examples

Pure Vector / MapServer / GIS Approach

- Uses X,Y coordinates to create a map for a specific call number range
- Use programming to convert the coordinates to a web graphic
- Approach typically used in Global Information Systems (GIS) software

Methods & Examples

Pure Vector / MapServer / GIS Approach

```
<line display="inline" fill="none" stroke="#000000" stroke-miterlimit="5"
x1="339.709" y1="269.359" x2="339.709" y2="289.704"/>

<line display="inline" fill="none" stroke="#000000" stroke-miterlimit="5"
x1="339.709" y1="296.375" x2="339.709" y2="301.034"/>

<line display="inline" fill="none" stroke="#000000" stroke-miterlimit="5"
x1="339.709" y1="307.579" x2="339.709" y2="319.157"/>

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<line display="inline" fill="none" stroke="#000000" stroke-miterlimit="5"
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    <line display="inline" fill="none" stroke="#000000"
stroke-miterlimit="5" x1="332.66" y1="298.311" x2="364.884"
y2="298.311"/>

<line display="inline" fill="none" stroke="#000000" stroke-miterlimit="5"
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points="310.253,301.584 305.723,301.584
305.723,327.641
"/>
<polyline display="inline" fill="none" stroke="#000000" stroke-miterlimit="5"
points="359.549,269.359 359.549,261.43
324.981,261.43
"/>

<line display="inline" fill="none" stroke="#000000" stroke-width="0.5" stroke-
miterlimit="5" x1="346.873" y1="261.517" x2="346.873"
y2="269.186"/>

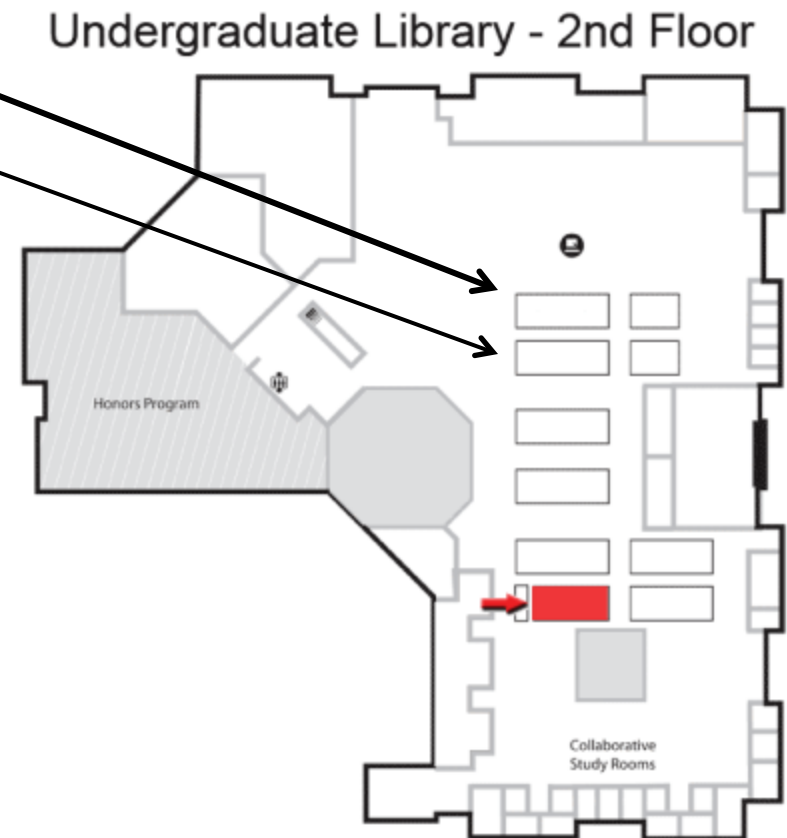
<line display="inline" fill="none" stroke="#000000" stroke-width="0.5" stroke-
miterlimit="5" x1="344.493" y1="261.581" x2="344.493"
y2="269.109"/>

<line display="inline" fill="none" stroke="#000000" stroke-width="0.5" stroke-
miterlimit="5" x1="341.929" y1="261.715" x2="341.929"
y2="269.186"/>








    <line display="inline" fill="none"
stroke="#000000" stroke-width="0.5" stroke-miterlimit="5"
x1="339.583" y1="261.297" x2="339.583" y2="268.857"/>

    <line display="inline" fill="none"
stroke="#000000" stroke-width="0.5" stroke-miterlimit="5"
x1="337.443" y1="261.286" x2="337.443" y2="268.857"/>

    <line display="inline" fill="none"
stroke="#000000" stroke-width="0.5" stroke-miterlimit="5"
```



Legend

- |  | Layer |
|---|----------------------|
|  | Roads |
|  | Railroads |
| <input checked="" type="checkbox"/> | Drainage |
| <input checked="" type="checkbox"/> | Water |
|  | Parks |
| <input checked="" type="checkbox"/> | Elevation/Bathymetry |
| <input checked="" type="checkbox"/> | Pop. Place |
| <input checked="" type="checkbox"/> | Province Boundary |
| <input checked="" type="checkbox"/> | Federal Limit |
|  | Foreign Land |
|  | Grid |
|  | Redraw Map |

Quick View ▾

CANADA




0 170 340 510 680 850 km

Keymap

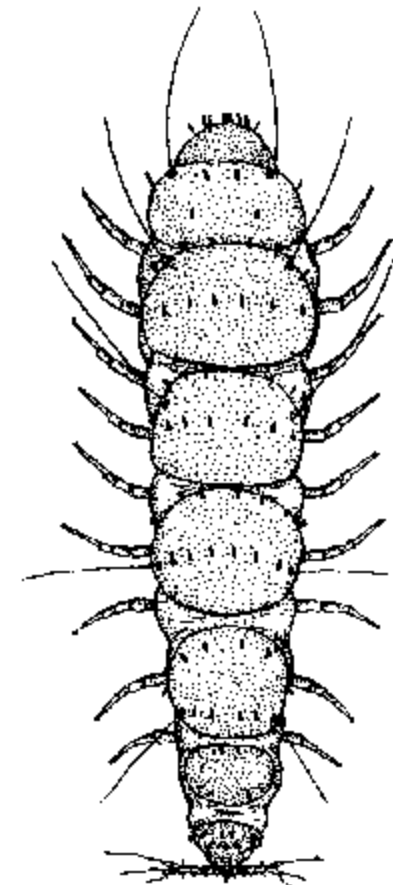
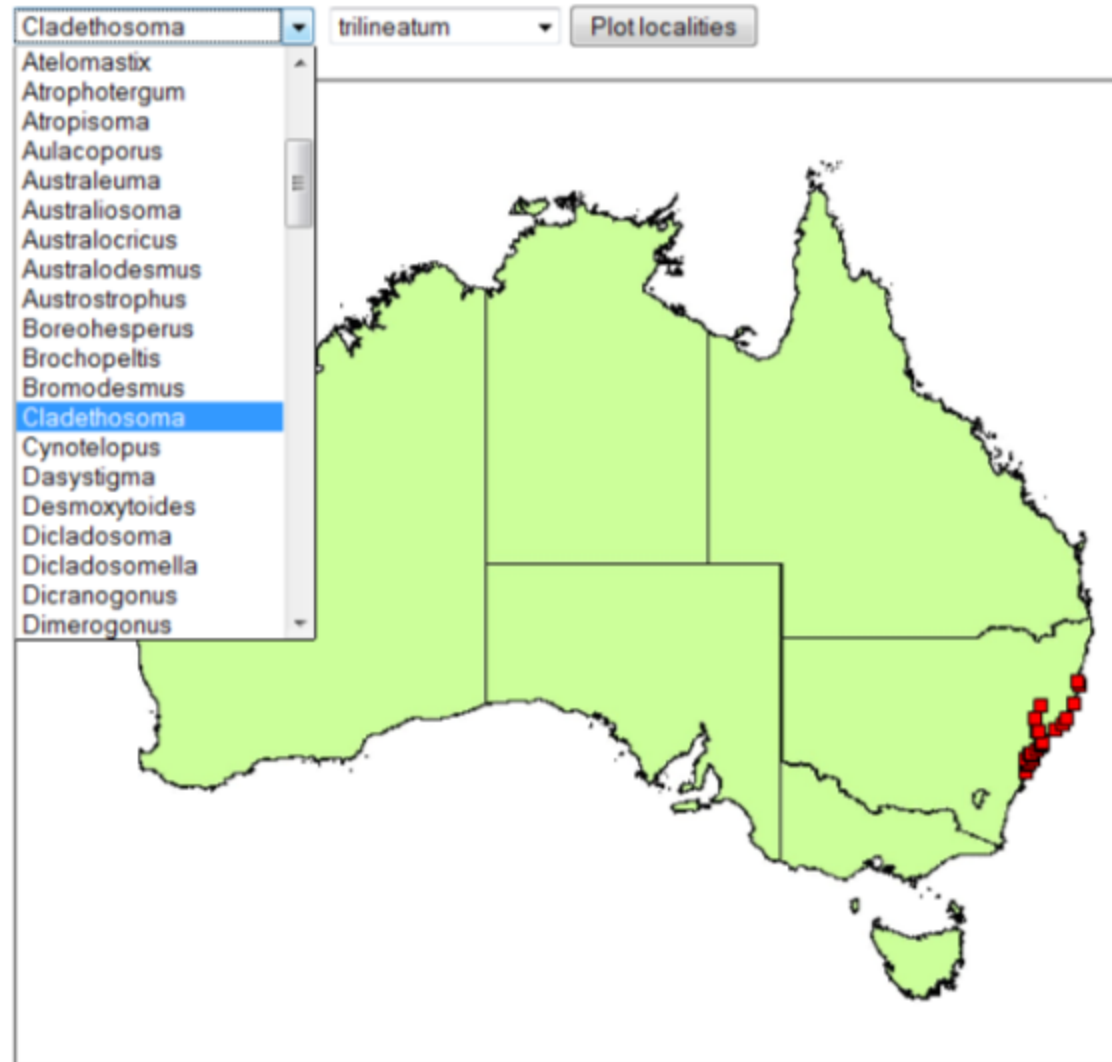


800 x 600 ▾

 Java Mode Enabled
Click to Disable

Information

Millipedes of Australia



Methods & Examples

Pure Vector / MapServer / GIS Approach

- Pros
 - Interactive interface (Layers, zooming, etc...)
 - Could be leveraged with usage data to produce choropleths (heat maps) to show most used areas
- Cons
 - Lots of technology to implement
 - MapServer, GIS software, etc
 - Difficult to update, designed to work with generally static data
(Millipedes don't shift much)

Methods & Examples

Google API / GPS

- Use Google Maps or similar API to overlay library maps
- Relates library map to actual physical location using Latitude and Longitude or GPS
- Possibility of working with mobile “location awareness” and have a mobile device “point” to the location of a book



Methods & Examples

Google API / GPS

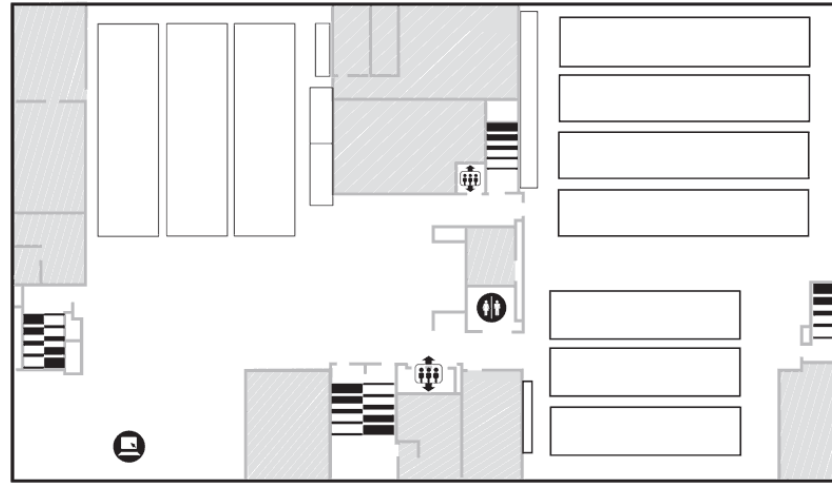
- Pros
 - Google styled interface
- Cons
 - Provides some usage data to Google
 - Difficult to create maps (tiling...)
 - Difficult to update
 - GPS generally* won't work in libraries
 - Difficult to program
 - At least in August 2009 it was!

Methods & Examples

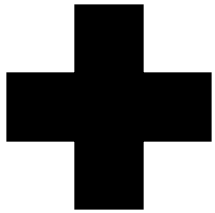
Hybrid Approach

- Uses combination of static files to define the library space, and vector coordinates to highlight specific areas
- Allows easy updating of call ranges by updating vector data
- Allows easy updating of stack placement by updating template images

Purdy Library - 2nd Floor



Background



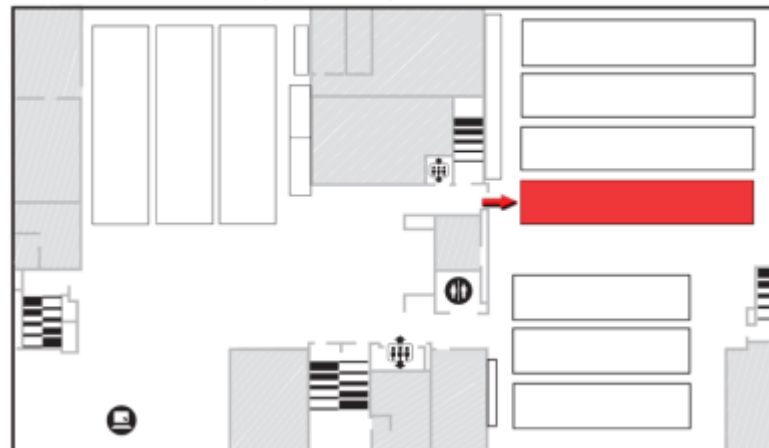
<line x1="339.709"
y1="269.359"
x2="339.709"



Overlay



Purdy Library - 2nd Floor



Combined



Methods & Examples

Hybrid Approach

- Allows for easy updates with a “draw a box” mechanism
- Keeps number of static (template) maps to a minimum
- Easy to develop using PHP

Methods & Examples

Hybrid Approach

- WSULS only requires 11 template maps
- But currently requires over 70 maps for mapped call number ranges.
 - Plus call number ranges can be updated without having to use any illustration software.

Methods & Examples

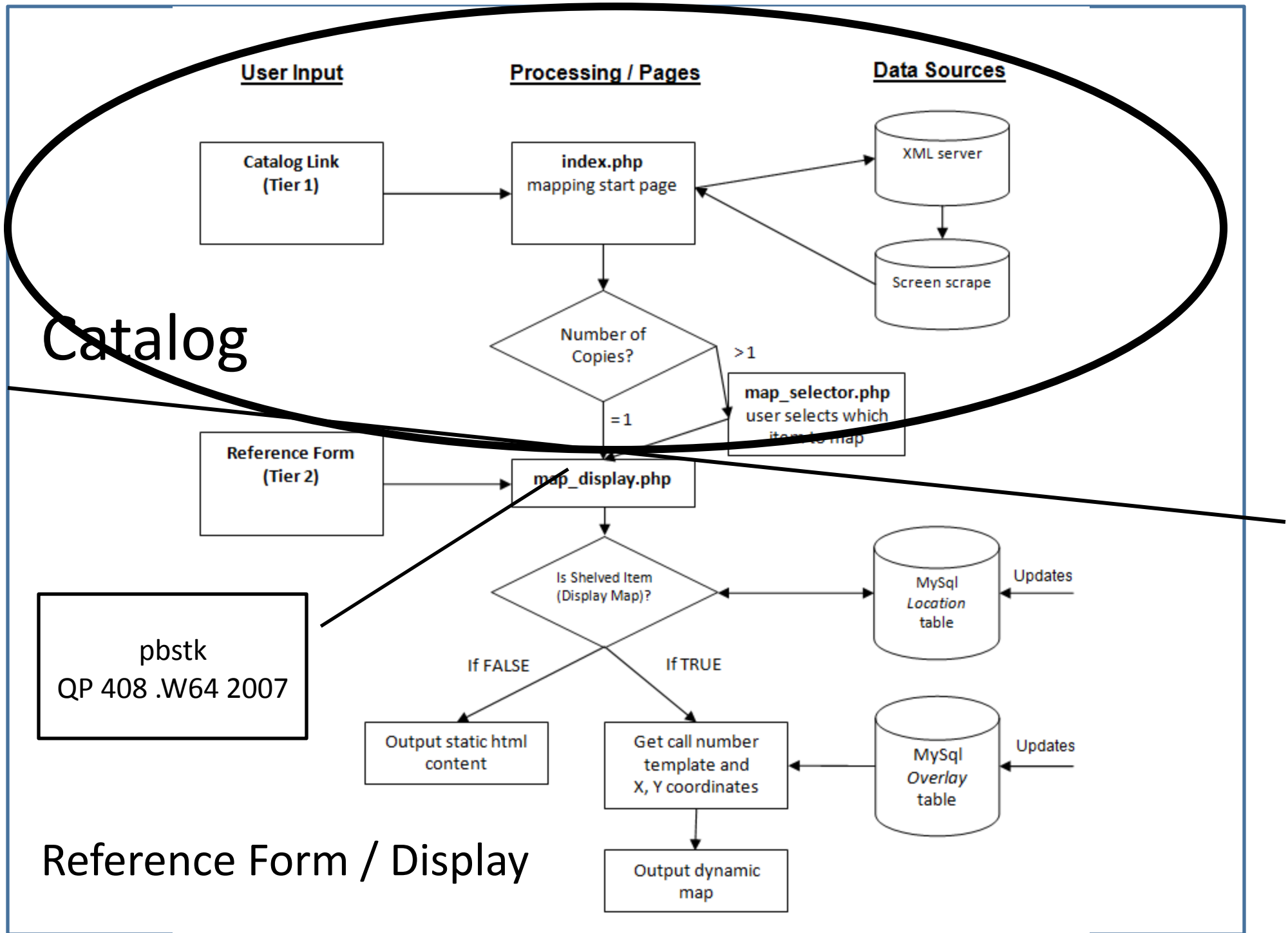
Architecture of WSULS system

- LAMP application (Linux, Apache, MySql, PHP)
- Only external dependency is GD to combine the images
- Patron display areas (catalog and reference form), and staff update area



Accessing the System

- Two methods of access
 1. From the two WSULS catalogs
 2. From a form designed for use at reference



Accessing the System Catalog

- Catalog Method
 - Uses Millennium WebBridge to only show mapping link when appropriate
 - Won't show for checked out items, etc...
 - Prompts if more than one item is available
 - Shows information about any of the WSULS location codes



Accessing the System Catalog

- Provides information on more than just shelved materials
 - All collection codes, including:
 - Storage
 - Closed Collections
 - Extension Centers

CatalogArticles

You are not logged in | My Cart (0 items) | Login

WAYNE STATE UNIVERSITY LIBRARIES powered by encore

Provide FeedbackIntro To Encore

Search: catch 22

Explore Related SearchesClassic Catalog

Results 1 - 25 of 32 for catch 22

Sorted by Relevance | Title | Date

12next

Availability

At the library (24)

Online (2)

Search Found In

Title (15)

Subject (10)

Format

Articles (800)

PRINT (29)

EBOOK (2)

VISUAL MEDIA (1)

Collection

Undergraduate Library (5)

Science and Eng Library (3)

Purdy/Kresge Library (18)

Shiffman Medical Library (1)

Storage (3)

+ more

Location

P/K Lib Textbooks (1)

P/K Library Books (16)

P/K Library Juvenile (1)

P/K Microform/fiche (1)

PRINT 1994

Catch-22 : a novel / by Heller, Joseph.

DUE 01-14-11 - Undergrad

Get ItAdd to cart

PRINT c2001

A study of Joseph Heller

CHECKED IN - Purdy-Kresge

Get ItAdd to cart

Contents | Reviews

PRINT 1996

Catch-22 / Joseph Heller

DUE 10-01-08BILLED +1

PS 3558 .E476 C3 1996 -

Get ItAdd to cart

Biography |

Top results for articles:

Article

New reforms present C

McKnight's Long-Term Care N

PDFFull Text

Article

Your Career: Women's work style Catch-22.

MSNBC.com: Business, Sep 19, 2010

Full Text

Article

Caught in a 'Catch-22' situation.

The Hindu (English), Sep 6, 2010

Full Text

Wayne State University Library System /Entire Collection - Mozilla Firefox

http://elibrary.wayne.edu/webbridge*eng/panel?returnurl=http%3A%2F%2Fencore.lib.wayne.edu%2F

Wayne State University Libraries - Additional Resources

Book Information

For Reviews, Tables of Contents, Notes See Content Cafe Favorite

Floor Maps

Find the shelving location for this item.

More Information from Google Books

Find at WorldCat

How to Cite This

Export to Endnote

Get More Details

Send text message

Return to Catalog

Done

YSlow

Other Sources:

10202

world war
fiction
ent education
tonic books
ity heller
terature and
majormajor
men milo
and literature
otion pictures
g for grants
ital patients in
y james sports
roadcasting of
stories
1939 1945

[Show more tags]

Recently Added:

People looking for this, may want these recent additions:

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QUICKLINKS



LOCATE MATERIALS IN THE LIBRARY

Select which item to map

☐ **Catch-22 : antiheroic antinovel**

Location: *Purdy-Kresge Library*, Call Number: PS 3558 .E476 C3385 1989

☐ **Catch-22 : antiheroic antinovel**

Location: *Purdy-Kresge Library*, Call Number: PS 3558 .E476 C3385 1989 v.2 c.3

Submit

Questions? Problems? [Let us know!](#)

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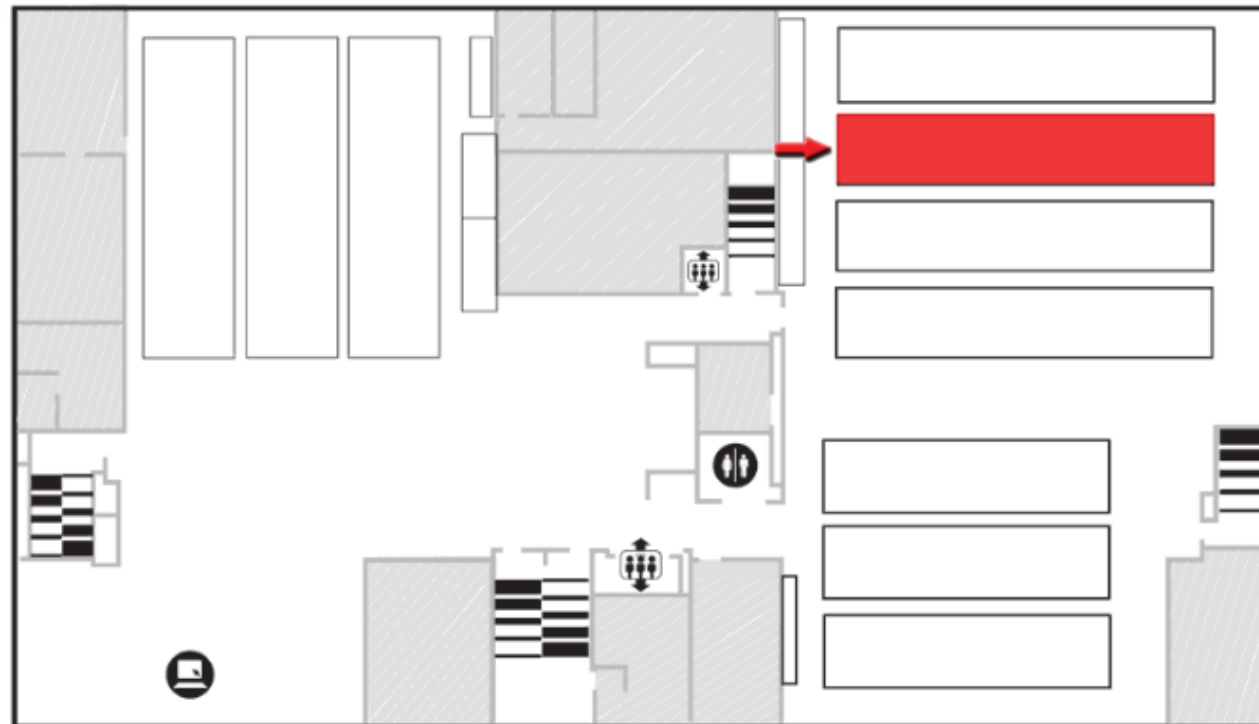
LIBRARY INFO

QUICKLINKS



LOCATE MATERIALS IN THE LIBRARY

Purdy Library - 2nd Floor

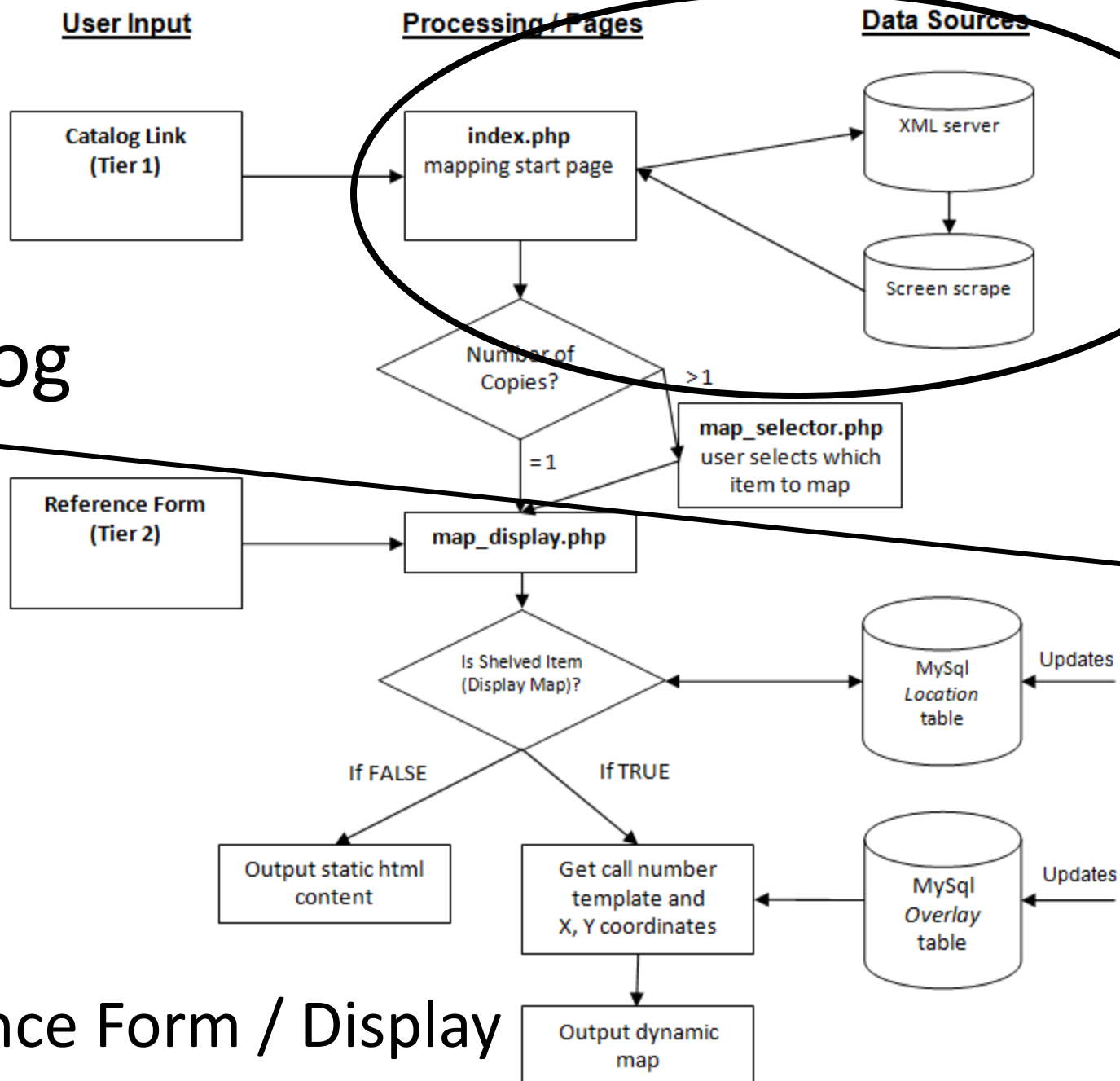


Library: [Purdy](#), Floor 2
 Call Number: [PS 3558 .E476 C3385 1989](#)
 (American Literature)
 Shelf Number Range: 129-162

The **red area** is the approximate location of the item.

Questions? Problems? [Let us know!](#)

Catalog



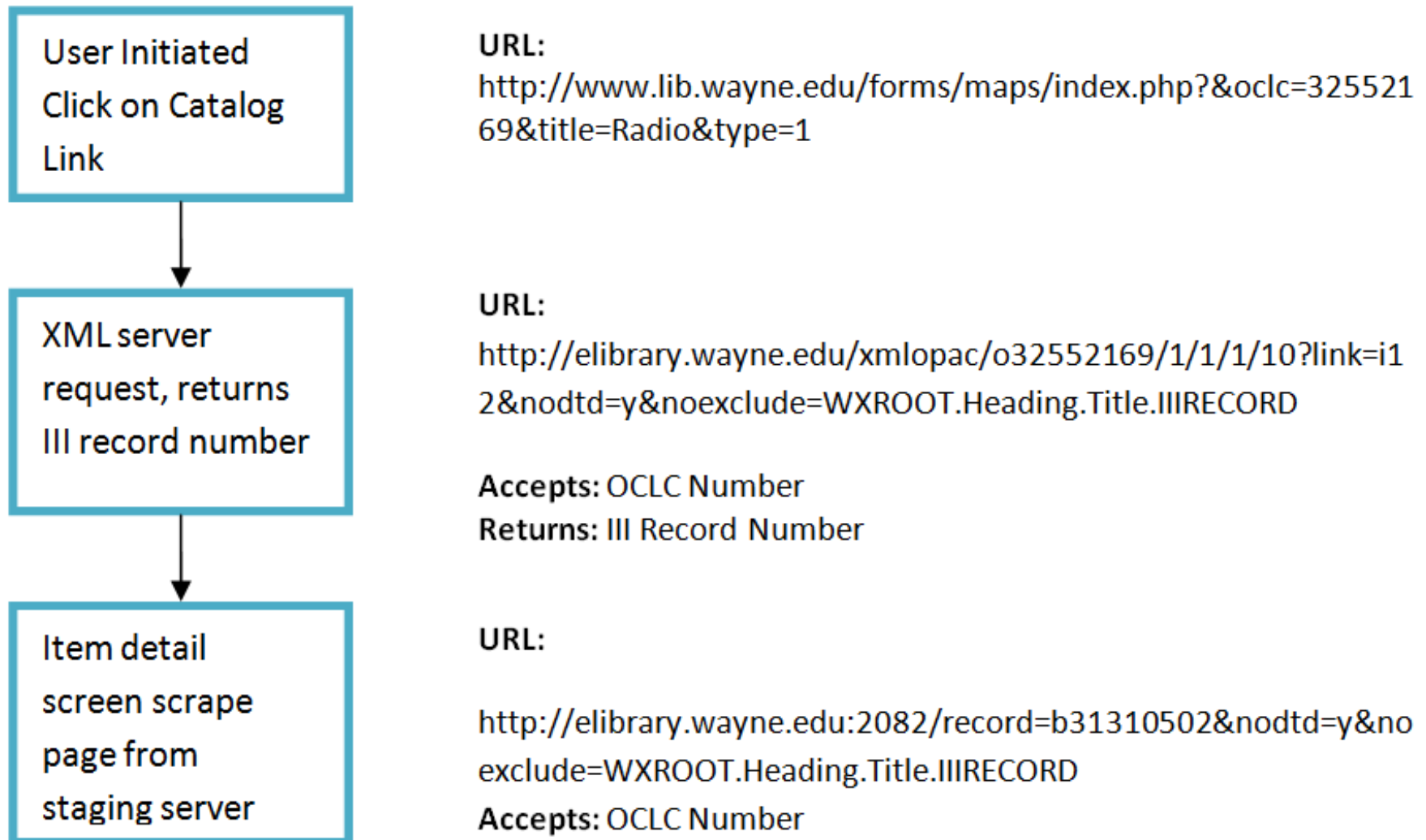
Reference Form / Display

Accessing the System

Catalog – Accessing Data

- Uses III Millennium WebBridge product to add link to catalog
- Utilizes Millennium XML server as well as:
“a custom developed data ingest method built on best practices of innovative new methods to harvest bibliographic data...”

Accessing the System Catalog – Accessing Data



Start Over

Get It !

Save Records

MARC Display

Return to List

Limit / Sort

 Try MelCat

TITLE

catch 22

View Entire Collection

System Sorted

Search

Record 1 of 3

Record: [Prev](#) [Next](#)

Author [Heller, Joseph.](#)
Title **Catch-22 / Joseph Heller.**
Publication Info. New York, NY : Simon & Schuster, 1996, c1994.

Location	Call No.	Status	Notes
Undergraduate Library	PS 3558 .E476 C3 1996	DUE 10-01-08BILLED +1 HOLD	

Description 463 p. ; 21 cm.

Note "With a new preface by the author"--Cover.

Subject [World War, 1939-1945 -- Fiction.](#)

Genre War stories.

ISBN 0684833395 (pbk.) : \$10.00

Permanent url for this catalog record: <http://elibrary.wayne.edu/record=b1437455~547>

[Suggestions](#) | [Privacy](#) | [Acceptable Use](#)

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Reviews
& More




Floor Maps

Find in [WorldCat](#)

[Cite This](#)

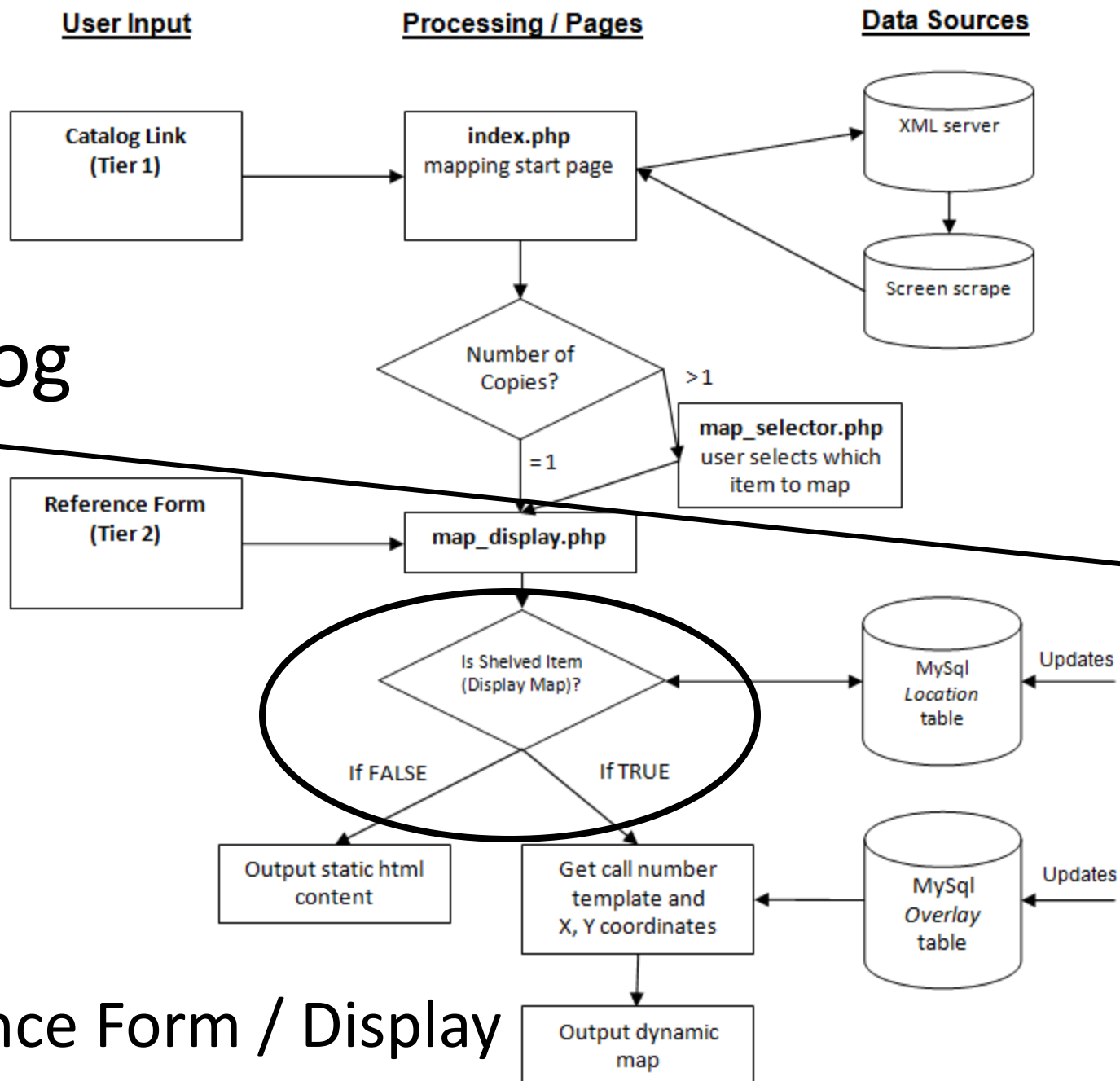
[Export to Endnote](#)

[Limited Preview
@Google Book
Search](#)

 [Send text
message](#)

Catalog

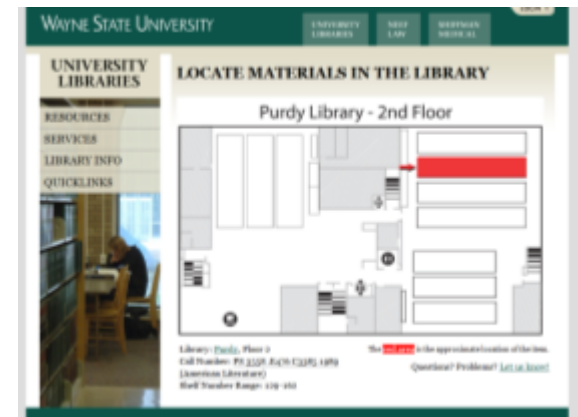
Reference Form / Display



Accessing the System

Catalog – Location Codes

- Each location can:
 - Display static HTML content
 - Display a call number range map
- Be mapped to another code
 - “Oops” cases
 - i.e. - Map weird codes to reference



Accessing the System

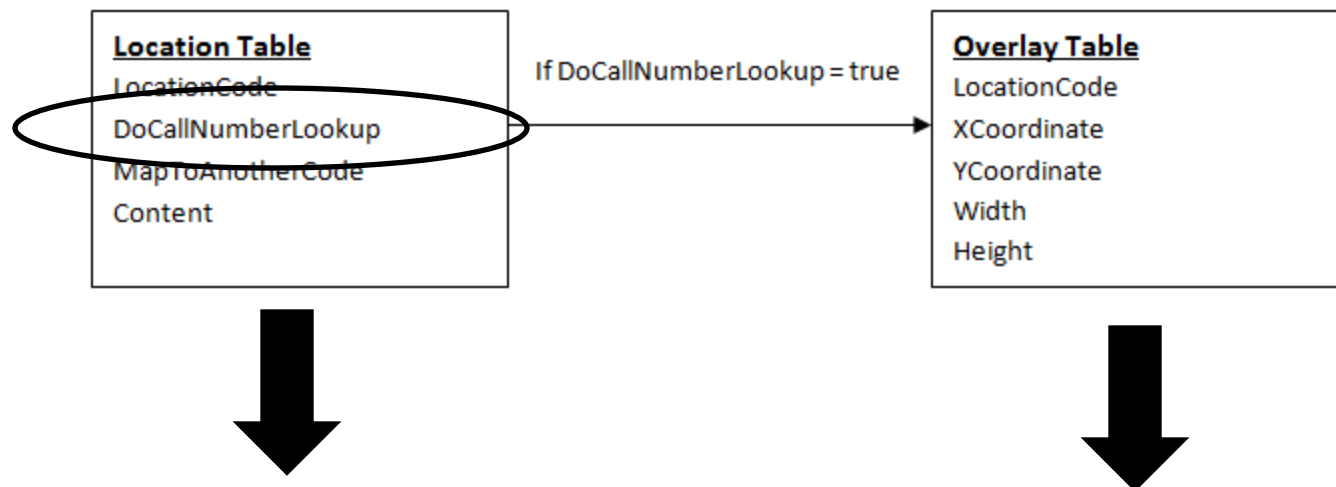
Catalog – Location Codes

- Two “levels” of information based on location codes
 - **pbstk** = Purdy-Kresge Library shelved books
 - Displays stack map of call number range
 - **pdfdn** = Purdy-Kresge Library Foundation Collection
 - Maps to static content
 - Needs to show user where to location this collection, not necessarily show shelf location
 - Uses static HTML for output



Accessing the System

Catalog – Location Codes



WAYNE STATE UNIVERSITY

UNIVERSITY LIBRARIES

LOCATE MATERIALS IN THE LIBRARY

PURDY-KRESGE LIBRARY FOUNDATION COLLECTION

The Purdy-Kresge Foundation Collection is located on the first floor, right of the computer area and left of the offices for content delivery.




Questions? Problems? [Let us know!](#)

WAYNE STATE UNIVERSITY

UNIVERSITY LIBRARIES

LOCATE MATERIALS IN THE LIBRARY

Purdy Library - 2nd Floor



Library: **Purdy**, Floor 2
Call Number: PS 3558 E476 C3185 1989
(American Literature)
Shelf Number Range: 139-143

The **red rectangle** is the approximate location of the item.

Questions? Problems? [Let us know!](#)

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LOCATE MATERIALS IN THE LIBRARY

PURDY-KRESGE LIBRARY FOUNDATION COLLECTION

The Purdy-Kresge Foundation Collection is located on the first floor, right of the computer area and left of the offices for content delivery.



Questions? Problems? [Let us know!](#)

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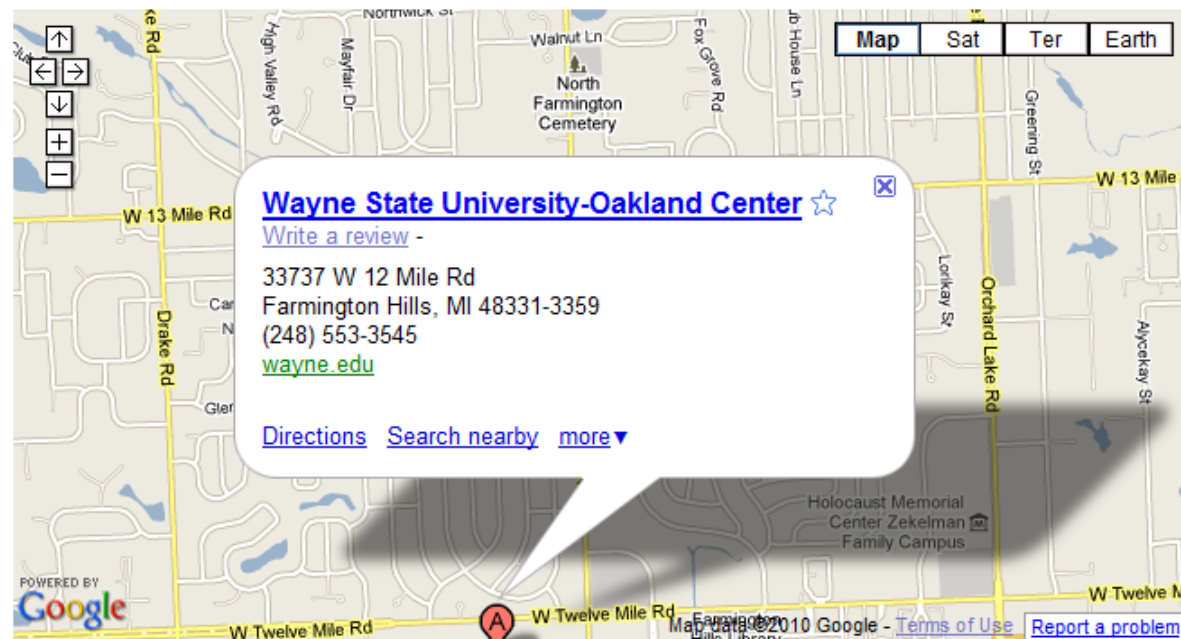


LOCATE MATERIALS IN THE LIBRARY

OAKLAND CENTER LIBRARY SERVICES CENTER

The Oakland Library Services Center maintains a collection of key Reference and Reserves materials that are available for use in the building. Computers in the Library Services Center provide online access to a number of valuable information resources including the holdings of the Detroit Area Library Network (DALNET), full text periodicals databases, and the Internet.

[For more information, please visit their website](#)

[View Larger Map](#)

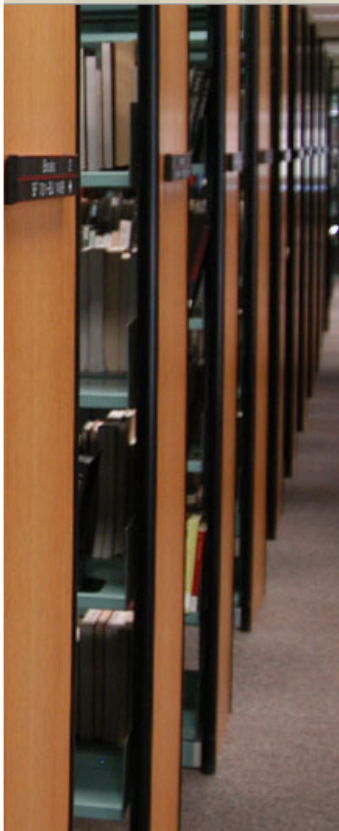
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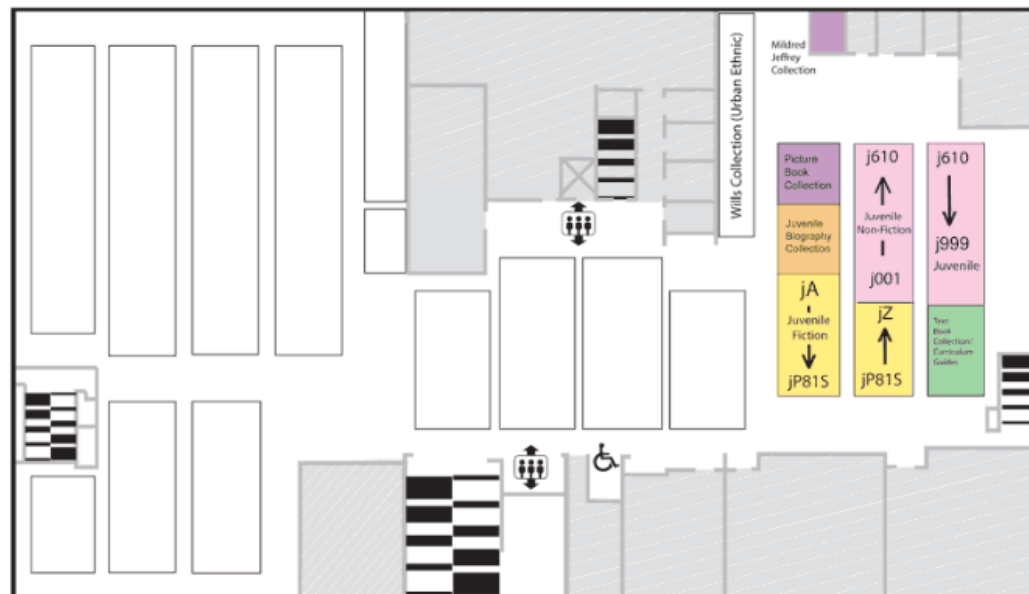
LOCATE MATERIALS IN THE LIBRARY

PURDY-KRESGE LIBRARY JUVENILE

The Juvenile Collection is one of the largest collections of this kind in a university library. It contains over 60,000 items. The collection covers age groups from preschool to some lower level college. It includes all subject areas and has special subsections for fiction, biography, and picture easy books. This collection was started by the College of Education in the early 1940s as a resource for training teachers. It is currently located on the fourth floor of the Purdy Library.

Additional information about this area can be found at the PK reference desk, found on the first floor.

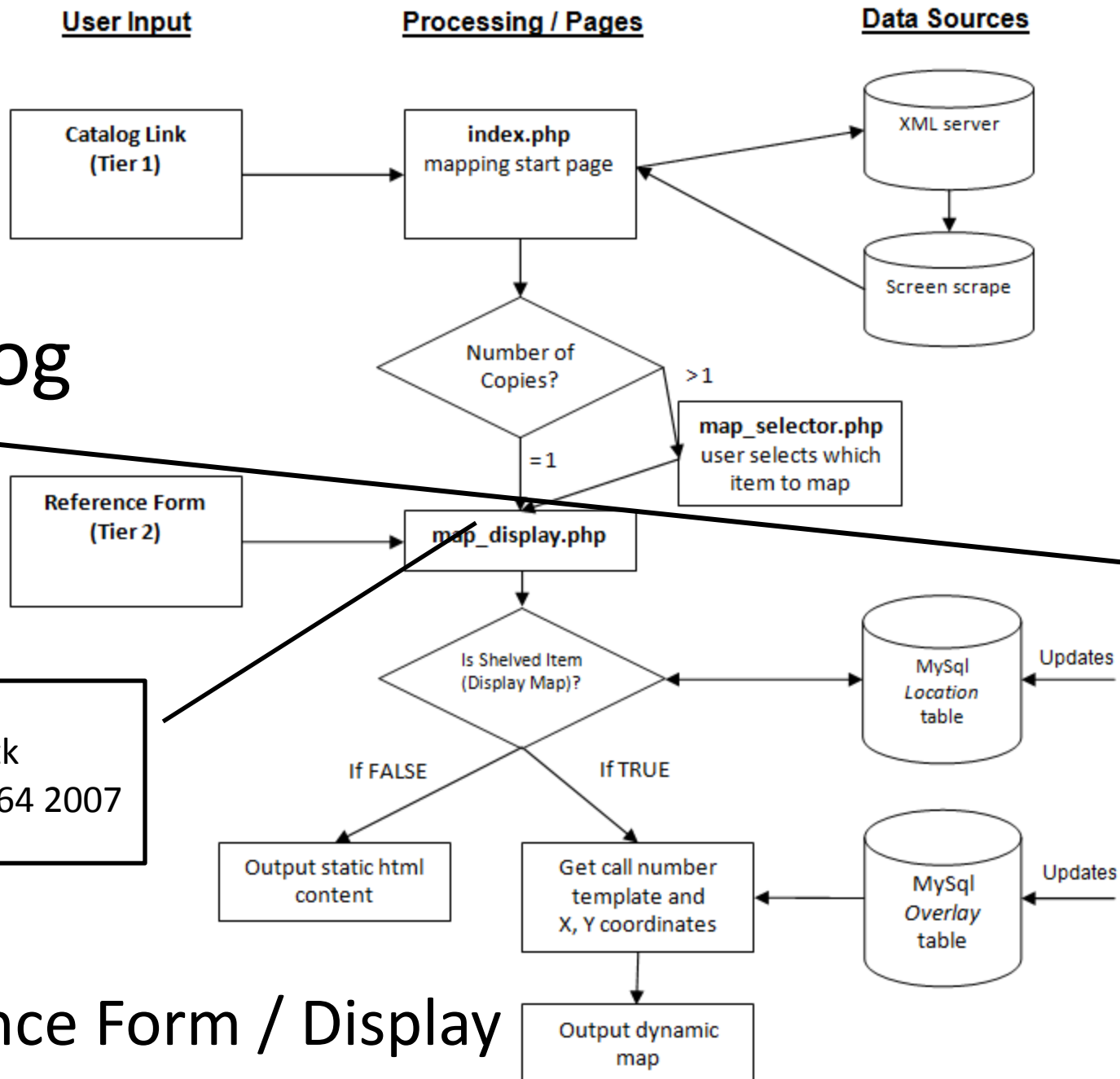
Purdy Library - 4th Floor



Catalog

pbstk
QP 408 .W64 2007

Reference Form / Display



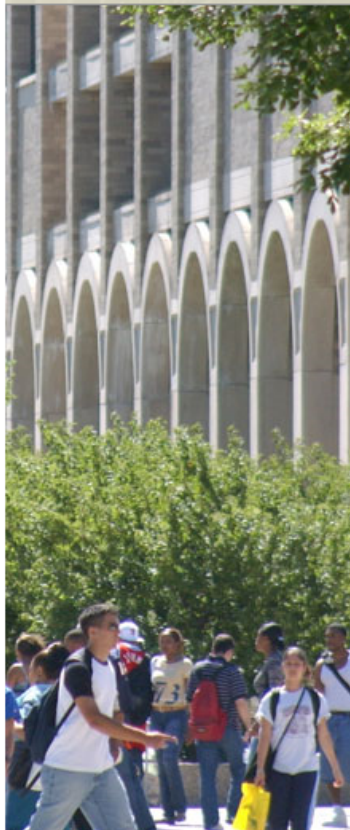
UNIVERSITY
LIBRARIES

RESOURCES

SERVICES

LIBRARY INFO

QUICKLINKS




FIND AN ITEM IN THE LIBRARY

Here you can map call numbers to locations in the library system. Simply select a library, enter a call number or subject, and the system will show the approximate location of that item on the shelves. For more information, please watch [our video about the mapping system](#).

MAP BY CALL NUMBER

MAP BY SUBJECT

Select a library: Purdy/Kresge Library 

Enter a call number: Ac3

Search

NOTE: This area is currently undergoing maintenance by library staff. Items may differ from the map, and signage may be incorrect. For assistance finding an item, [please visit the reference desk](#).

Purdy Library - 4th Floor



QUICKLINKS

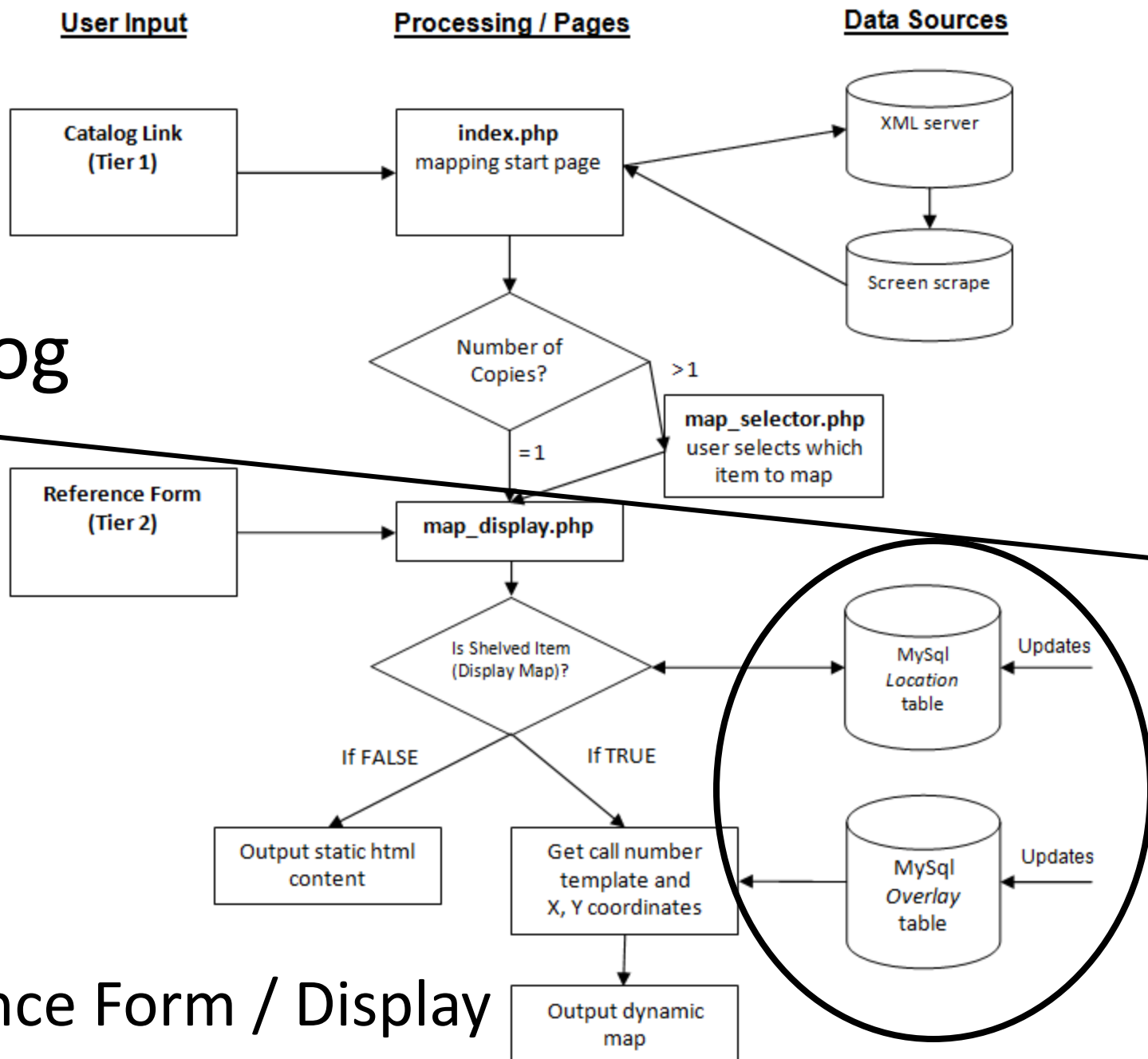


Displaying 1-10 of 63 results

Questions? Problems? Let us know!

Catalog

Reference Form / Display



Updating the system

- Web based update system
- Two levels
 - Location Codes
 - Call number ranges

Updating the system

- Component of internal CMS'esque website update system
- Call number and collection updates handled by Library Access Department
 - Thanks Guys!

Updating the system

- Long term viability of system dependant on early buy-in from Access Services
- Updates *need* to be intuitive, fast, and efficient.



WSULS Stack Mapping Update Application

The WSULS Library Materials Mapping application is designed to allow staff and patrons find materials on the library shelves.

The system can be used in two ways, either via a [link in the catalog](#), or with a [form created for use at reference](#).

There are two "levels" of maps that the system can return. The first type is static HTML content for any location code used in the millennium system. The second type is the actual callnumber map system used for certain location codes (ie. - pbstk, the books in Purdy-Kresge). Both levels of codes can be updated in this system.

Update Location Information

This will allow editing "flat" maps, or locations in the III system that are displayed without checking the item's call number. Examples include pbrf (Reference), and pdr (PK Bindery Repairs). Location can have one of three outcomes:

- Mapped To: Map the field to another location. For examples, all items in closed collections can be mapped to reference.
- Content: Say something about that location, such as who to contact, or where it is located.
- Call Lookup: Lookup the call number in and display a map.

Update "Call" Number Maps

These are maps that will check the call number, and overlay a red area on a certain map area.

Upload Content Images

This will upload image files that can be used with the "static" mapping system. Examples include maps of reference and circulation desks, and pictures of collections. For more information, contact: Paul Gallagher Developer Librarian paul.gallagher@wayne.edu

Library Location Code Editor



Search

Library =

-- any --

Floor =

-- any --

Search

Results: 1 - 50 of 278

Pages: |<< < 1, 2, 3, 4, ... > >>|

Page size: 50

+ Add New	Location Name	Ill Code	Library	Floor	Mapped To	Content	Call Number Lookup	Undergoing Maintenance	Collection Overlay
Edit							No	No	No
Edit	Electronic Reserves	esrv				This item is available vi...			No
Edit	Electronic Theses and Dissertations	etths				This is an electronic ite...			No
Edit	Elephant Bibliography	s1bi1	Science and Engineering		srelp				No
Edit	Internet Sites	eenet				This item is a website an...			No
Edit	Karmanos Cancer Institute Simons Library	jbsim	Karmanos Cancer Institute Simons Library			The Karmanos Cancer Insti...		No	No
Edit	Law Hearing Assist Device	lahad	Law		lbcko				
Edit	Law Library	lbstk	Law	2			Yes		
Edit	Law Library Audiovisual	laavl	Law		lbcko				
Edit	Law Library Casebooks	lbcbk	Law		lbcko				
Edit	Law Library Circulation Desk	lbcko	Law	1					Yes
Edit	Law Library CIS Microform Collection	lgcis	Law	1					Yes
Edit	Law Library Computer Lab	lilab	Law	1					Yes
Edit	Law Library Course Reserves	lccrs	Law		lbcko				
Edit	Law Library Documents	lgdoc	Law	B					Yes
Edit	Law Library Documents (non-circulating)	lgndc	Law		lbcko				
Edit	Law Library Edward M. Wise Collection	lremw	Law			In 2000 the law librar...		No	No
Edit	Law Library Electronic Resources	leers	Law	1					Yes

Library Location Code Editor

* Items marked with an asterisk are required

+ Add New

Field	Field Value
Location Name *	<input type="text" value="Purdy-Kresge Library"/>
III Code *	<input type="text" value="pbstk"/>
Library	<input type="text" value="Purdy"/>
Floor	<input type="text"/>
Mapped To	<input type="text"/>
Content	<div><div></div><div>0/196605</div></div>
Call Number Lookup	<input type="radio"/> No <input checked="" type="radio"/> Yes
Undergoing Maintenance	<input checked="" type="radio"/> No <input type="radio"/> Yes
Collection Overlay	<input checked="" type="radio"/> No <input type="radio"/> Yes

Cancel

Update

Select an area: Purdy Second Floor

Update Call Number Ranges

Upload New Template

Select a call number range to update: New OR ☐ delete a range

Start:

End

Shelf

Undergoing
Maintenance?

Y

X

Width:

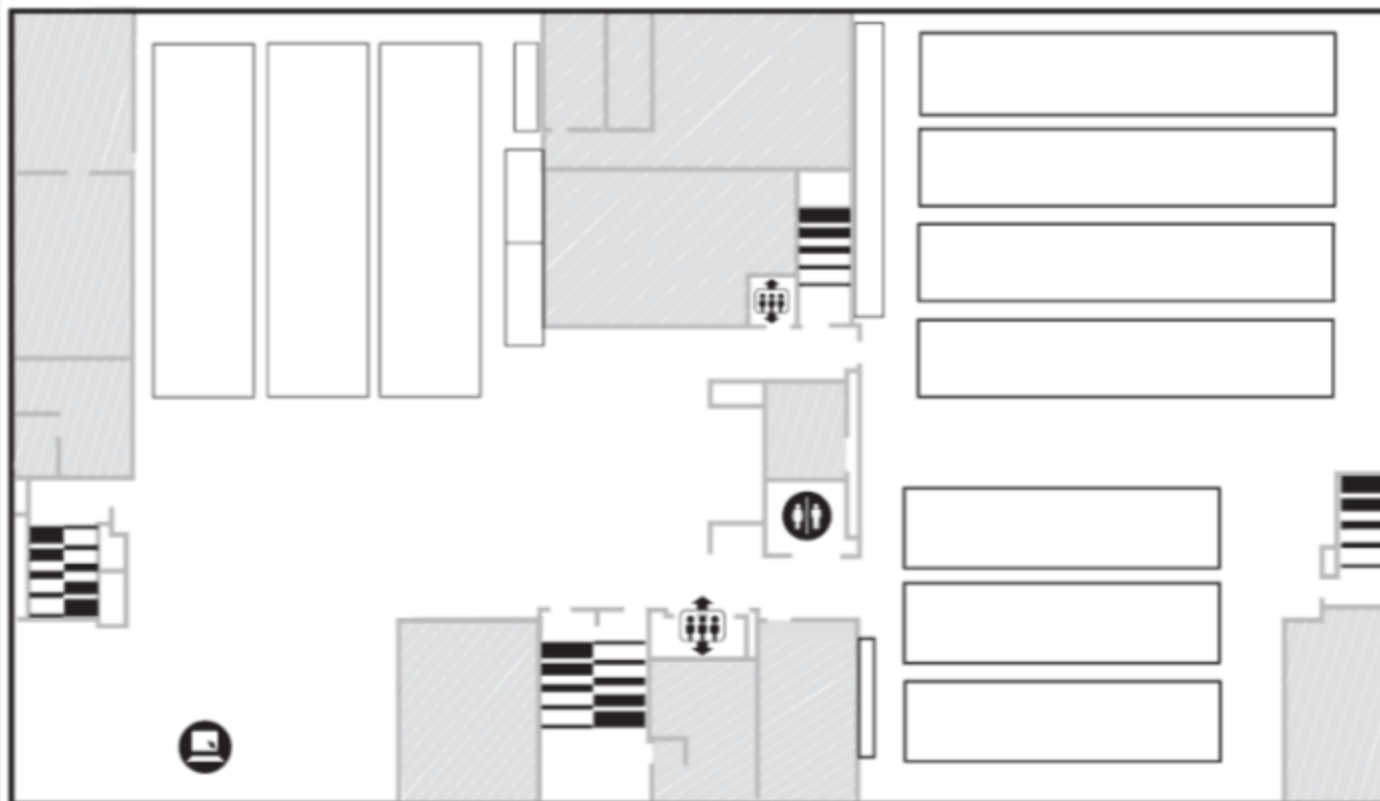
Height:

☐

Submit

NOTE: Call number ranges MUST NOT OVERLAP.

Purdy Library - 2nd Floor



[Back to zAdmin](#)[Home / Help](#)[Update Location Information](#)[Update Location Overlay](#)[Update Call Number Maps](#)**Select an area:** Purdy Second Floor ▾[Update Call Number Ranges](#)[Upload New Template](#)Select a call number range to update: 93-94: PR3456M - PR4167P ▾ OR ☐ delete a range

Start:

End

Shelf

Undergoing
Maintenance?

Y

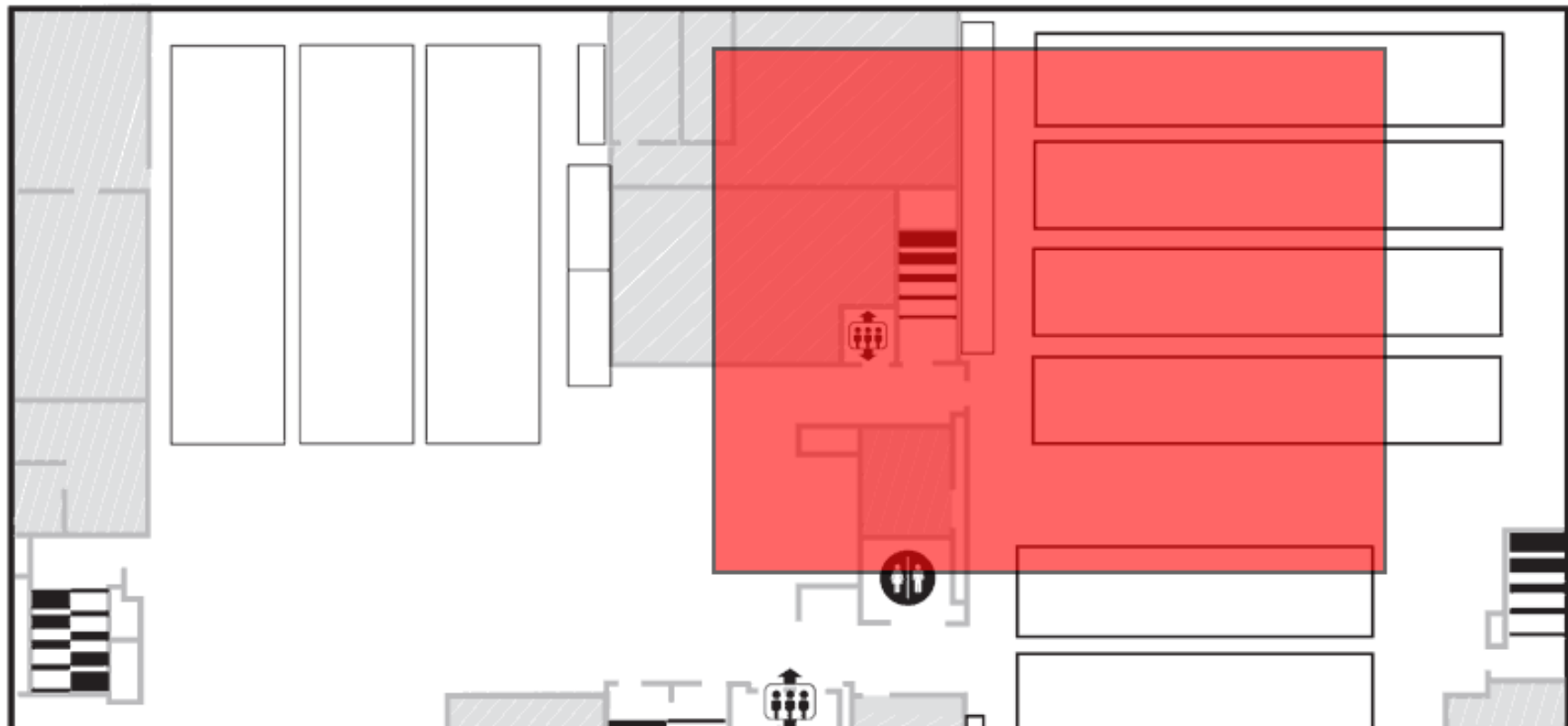
X

Width:

Height:

☐NOTE: Call number ranges MUST NOT OVERLAP.

Purdy Library - 2nd Floor



Demonstration

- Millennium Classic Catalog Link
- Encore Link
- Reference Form
- Update/Administration Area

Results and Lessons Learned

- Patrons still can't find the restrooms
 - Only part of a total solution to library path finding
- Call number ranges may be too large
 - Ongoing testing with mapping to shelf level
 - Shelf level mapping may work as a method to generate new shelf signage

Results and Lessons Learned

Usage Statistics (Oct 2010)

- Catalog Use
 - 617 visits
 - 19.9 visits per day
- Reference Form
 - 379 visits
 - 12.2 visits per day
- WSULS Website
 - 156,508 visits
 - 5,048 visits per day

Results and Lessons Learned

Usage Statistics

- Functionality lost in Encore
 - Better visibility in Millennium Classic
 - Which no one uses anymore...
- Planned integration with library mobile website (m.lib.wayne.edu)
 - May make more sense in a mobile context
- Value in creating printed maps at reference desk

Results and Lessons Learned

Open Source?

- We're "evaluating all possibilities and awaiting response from other stakeholders for potential collaboration and buy-in..."
 - (Ok, it's likely – looking at December 2010)
- Institutions would need to have their catalog provide location code and call number
 - Dewey not currently supported, but an easy and likely enhancement
- <http://www.lib.wayne.edu/maps/updates/>

Questions?

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Developer Librarian

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